TITLE OF THE INVENTION

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O I P E IAP13 OCT 11 2005 PATENT & TRADEMARK OFFICE

OPTICAL DISK APPARATUS

BACKGROUND OF THE INVENTION

Field of the Invention:

The present invention relates to an optical disk apparatus for optically performing playback from a disk or recording on and playback from the disk, and particularly to an optical disk apparatus for performing a track jump and a focus jump necessary to effect an interlayer Jump on a disk having a plurality of recording layers.

O.K to enter. T.D 12/15/05

Description of the Related Art:

In an optical disk such as a compact disk (hereinafter called a "CD"), a digital versatile disk (hereinafter called a "DVD") , focus control or tracking control has been performed which allows a laser spot to follow a recording layer or a recording track with high accuracy in order to accurately read and write information recorded on the optical disk.

With the increasing operational speed of recent CD and DVD, however, the influence of axial and radial deviations becomes large so that an accurate follow-up to the recording layer or recording track is becoming difficult. Therefore, information indicative of a relationship in position between an optical detecting means for data reading and an optical disk is stored in advance which acts as an axial run-out component or a radial run-out component, and thereafter the information is added to a drive signal of an optical pickup as a feedforward signal, thereby enabling high-accuracy focus control and tracking control (see Japanese Published Unexamined Patent Application No. Hei 8(1996)-161840, for example).